

### **ABSTRACT OF THE DISCLOSURE**

An integrated multi-channel transmitter for fiber optic applications is disclosed. The transmitter includes a laser array coupled to a modulator chip by way of an isolator sandwiched between two lenslet arrays. The modulator chip includes an  
5 array of modulators, with each one receiving the output of one of the lasers. The chip also includes a coupler that receives the outputs from the modulators and combines them into a single, combined output signal which, in turn, may be coupled an output fiber.